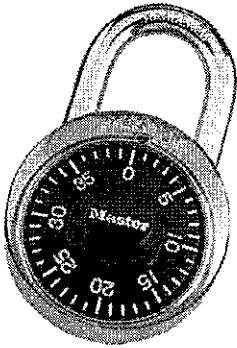


## ***Practice – Combinations, Permutations, and FCP***

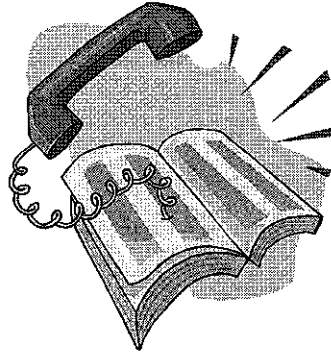
1)

How many possible number combinations are there for Master Locks?



2)

How many possible 7-digit phone numbers are there?



How many are possible with 10 digits (area code included)?

3) An internet code consists of one digit followed by one letter. The number 0 and letter O are excluded. How many codes are possible?

4) Nate is on a 7-day vacation. He plans to spend one day jet skiing and one day golfing. How many ways can Nate schedule the 2 activities?

5) If there are 30 people in the class and we need to pick a group of 5 volunteers, how many different groups of people could I choose?

6) How many ways can you listen to 3 songs from a CD that has 12 selections?

Name\_\_\_\_\_Date\_\_\_\_\_Block\_\_\_\_\_

7) How many different ways can 10 people sit in order at the movie theater?

8) At the movies, there are 15 different snacks and 12 different movies to choose from. How many ways can you choose a snack and a movie?

9) A pizza place offers 15 different toppings. How many different 3 topping pizzas could I make?

10) There are 12 people competing for first, second, and third place. How many different ways could the 3 places be awarded?